

ABSTRACT

A MIM (metal-insulator-metal) capacitor is provided with a substrate; a first metal area; a second metal area formed between the
5 substrate and the first metal area; and a first insulating layer formed
between the first metal area and the second metal area; wherein a
capacitance value is determined by opposing surface areas of the first metal
area and the second metal area; and the MIM capacitor is further provided
with: a third metal area formed between the second metal area and the
10 substrate; and a second insulating layer formed between the third metal
area and the second metal area; wherein the third metal area is connected to
a ground potential.